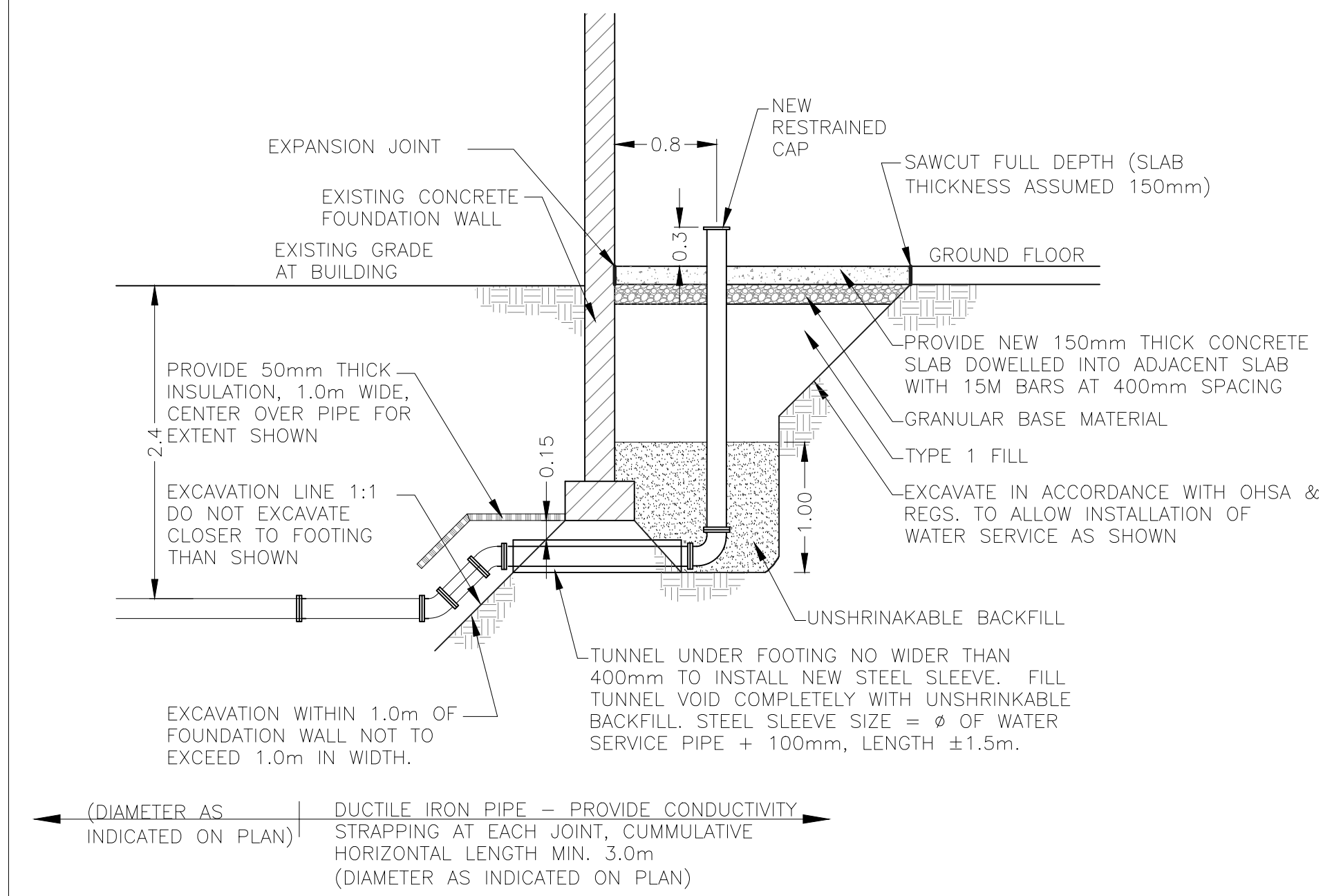
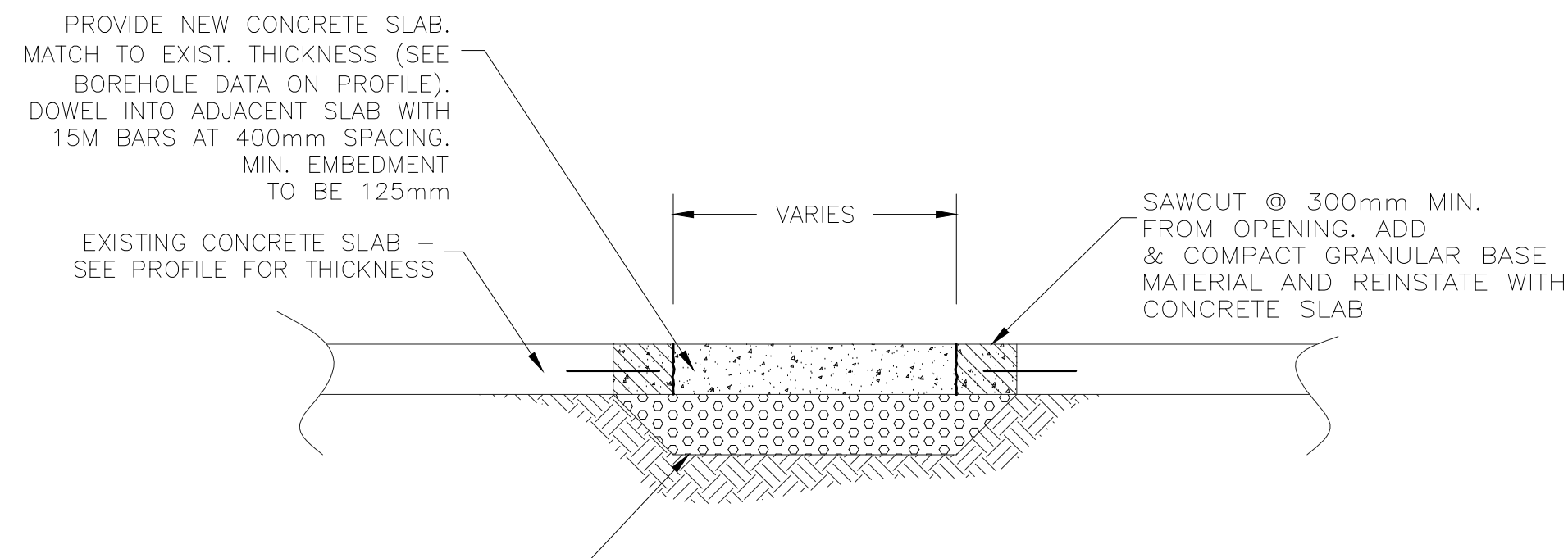


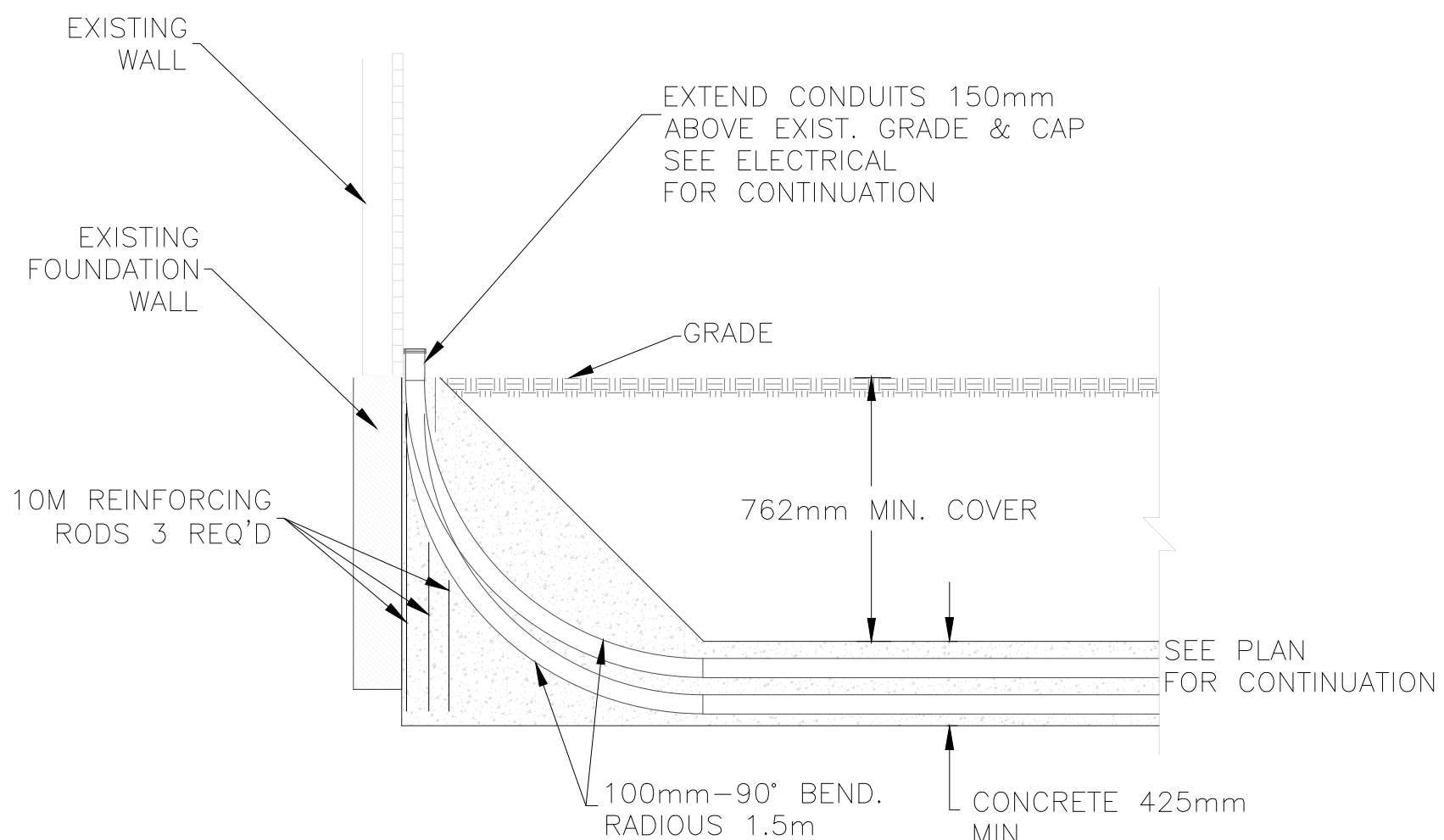
TYPICAL TRENCH DETAIL
SCALE 1:20



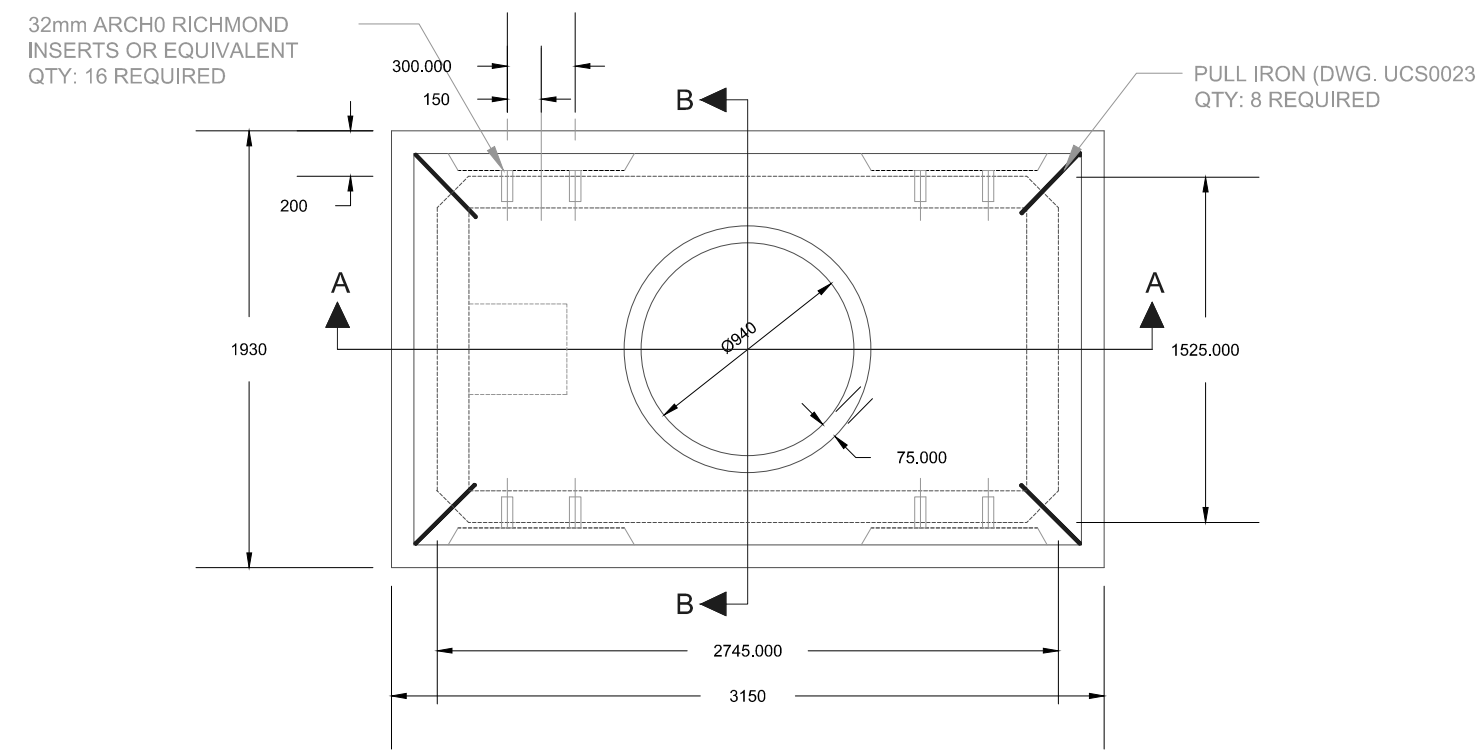
TYPICAL WATER SERVICE ENTRY
SCALE 1:40



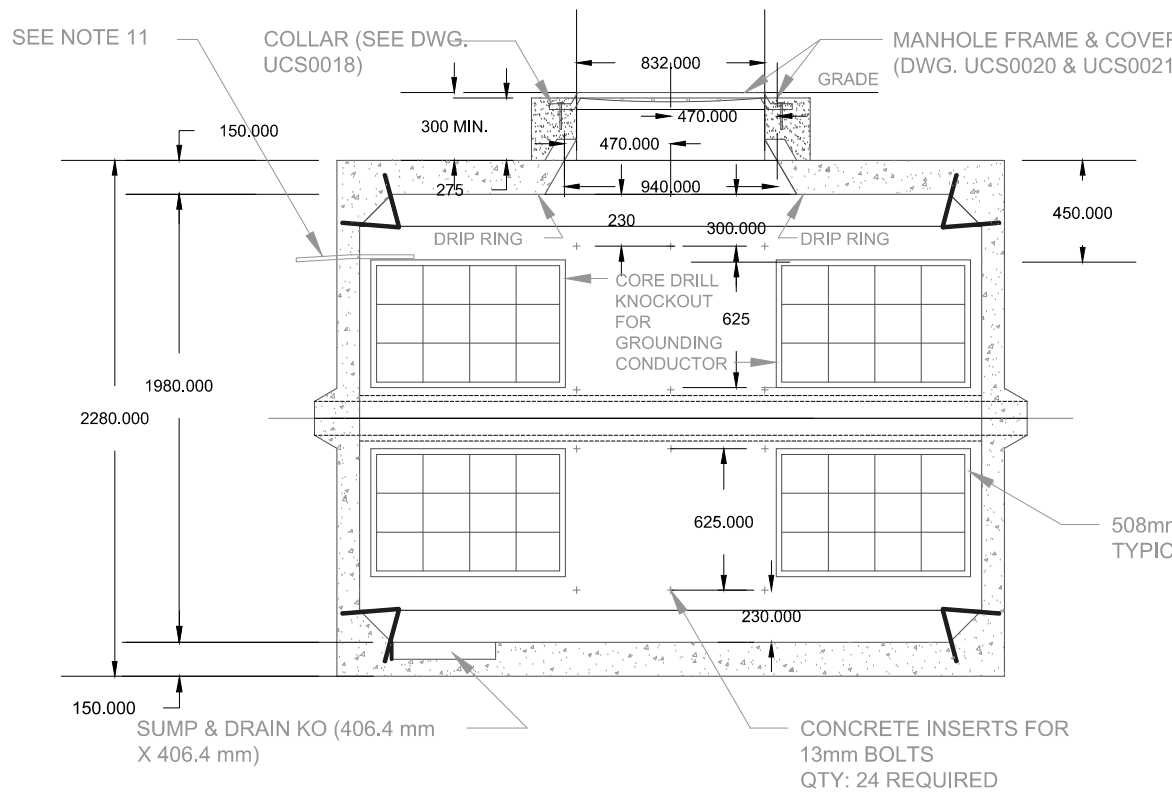
CONCRETE ROADWAY REINSTATEMENT
N.T.S.



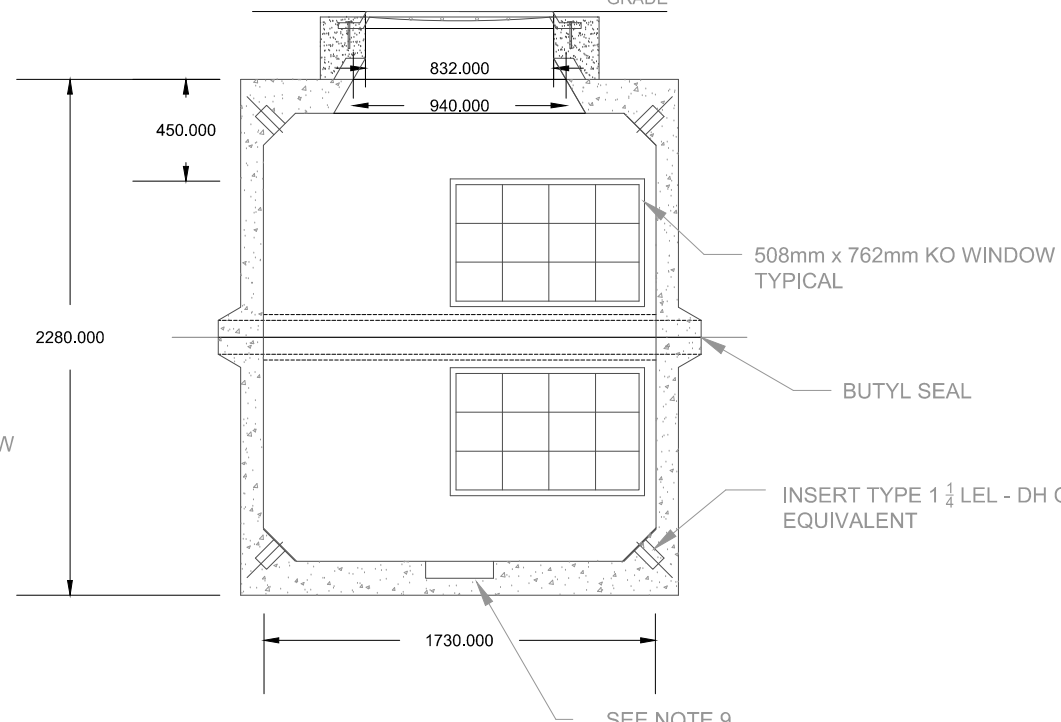
LATERAL CONNECTION FOR NEW POWER DUCT BANK
N.T.S.



PLAN VIEW



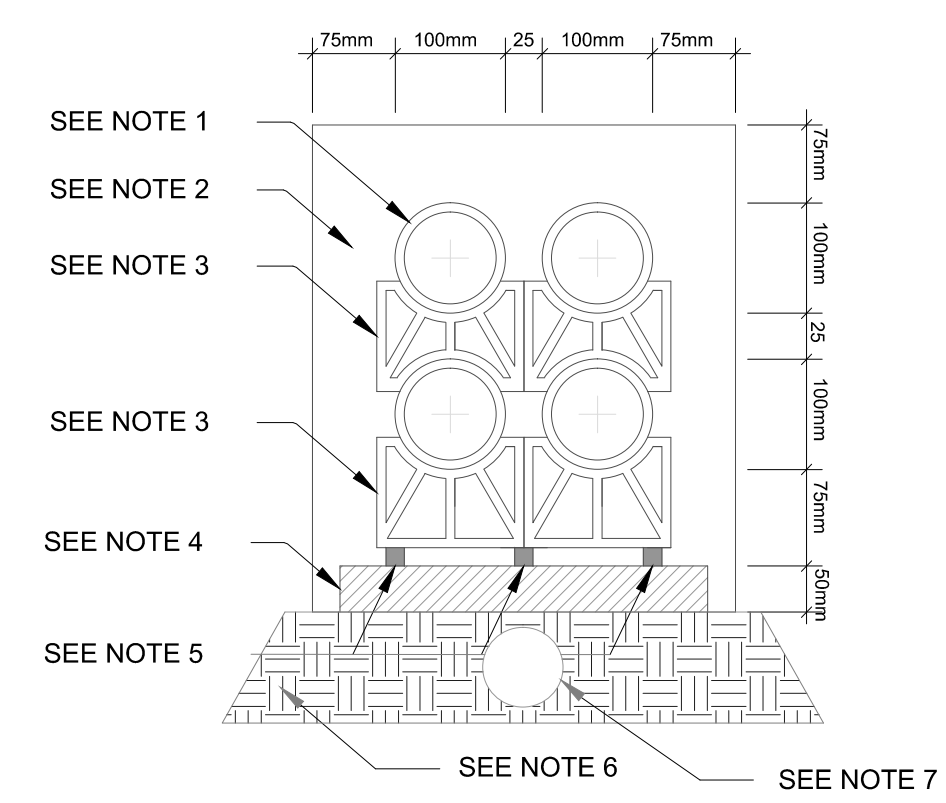
SECTION A-A



SECTION B-B

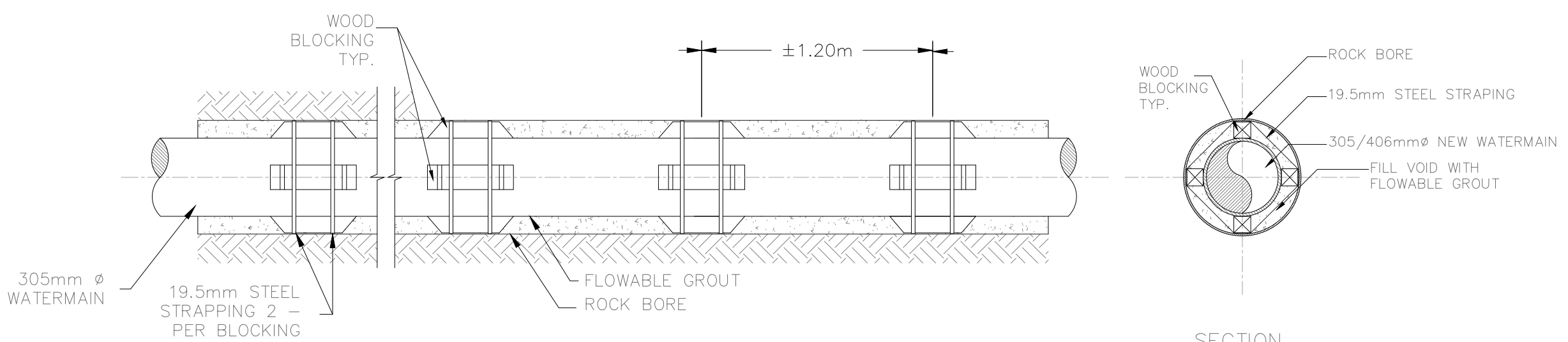
TYPICAL PRECAST MANHOLE DETAIL
(1525 X 2745mm CONSTRUCTION DETAIL)
SCALE: N.T.S.

- NOTES:
1. SUPPLIED AND INSTALLED BY CONTRACTOR.
 2. LOADS CAN-S6-M78 22.5 KIP WHEEL SOIL - 1500mm MAX, 300mm MIN. WATER TABLE AT SURFACE
 3. CONCRETE 35 MPg AT 28 DAY TEST.
 4. STEEL 400 MPg COVER TO STEEL 38mm
 5. ALL MATERIALS TO BE CAN 3-A23, 1-M77
 6. BEDDING TO BE 75mm TO 150mm (3" TO 6") OF GRANULAR "A" COMPACTED TO 95% STANDARD PROCTOR DENSITY.
 7. SEE HYDRO-OTTAWA CONSTRUCTION SPECIFICATION DOCUMENT NUMBER GCS0005 SECTION 2.2 FOR INSTALLATION PROCEDURE.
 8. DUCTS TO BE REINFORCED ON THE BOTTOM FOR 1500mm MIN. FROM FACE OF MANHOLE.
 9. SUMP KNOCK OUT IN FLOOR TO BE 400mm x 400mm.
 10. KNOCK OUTS TO BE 510mm H x 760mm AT INSIDE SURFACE.
 11. ONE CONTINUOUS PIECE OF #20 STRANDED BARE COPPER WIRE 5m LONG USED FOR GROUND WITH 1m INSIDE MANHOLE. REMAINDER OF WIRE TO BE PLACED UNDER DUCT STRUCTURE OR UNDER MANHOLE BELOW GRANULAR BASE.



TYPICAL DUCT BANK SECTION
SCALE: N.T.S.

- NOTES:
1. 100MM TYPE DB2 PVC DUCT
 2. NEW CLASS C-2 CONCRETE
 3. DUCT SPACERS, A MINIMUM GAP OF 25mm (1") BETWEEN DUCTS.
 4. CONCRETE BASE SPACER (50mm MIN.).
 5. 10M REINFORCING RODS POSITIONED AS SHOWN (SEE NOTE 1 - TYPICAL DUCT BANK SECTION)
 6. COMPACTED GRANULAR BASE.
 7. NEW 100mmØ DRAIN



TYPICAL ROCK BORE DETAIL
SCALE 1:25

Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

Real Property Branch
Professional and Technical Services Sector

Direction générale des biens immobilières
Secteur des services professionnels et techniques

3	100% ISSUED FOR TENDER	30/01/15
2	99% REVIEW	12/12/14
1	66% SUBMISSION	17/01/14
revisions	description	date

A detail no.
no. du détail

A detail no.
no. du détail

C drawing no.
dessin no.

C drawing no.
dessin no.

project

projet

1426 ST-JOSEPH BLVD.
WATERMAIN
RECONSTRUCTION

OTTAWA, ONTARIO

drawing

dessin

TYPICAL DETAILS

designed
date

J. MAYDA
2015/01/30

conçu
(yyyy/mm/dd)

drawn
date

G. FATTOUCHE
2015/01/30

dessiné
(yyyy/mm/dd)

reviewed
date

J. MAYDA
2015/01/30

examiné
(yyyy/mm/dd)

approved
date

J. MAYDA
2015/01/30

approuvé
(yyyy/mm/dd)

Tender
Project Manager

D. MOIR
2015/01/30

Soumission
Administrateur de projets

project no.

R.020045.006

no. du projet

drawing no.

C-17

no. du dessin

PWGSC B1 (1000x707)